

Title (en)
COMPONENT MOUNTING MACHINE

Title (de)
KOMPONENTENMONTAGEMASCHINE

Title (fr)
MACHINE DE MONTAGE DE COMPOSANT

Publication
EP 3681260 A4 20200819 (EN)

Application
EP 17924672 A 20170907

Priority
JP 2017032222 W 20170907

Abstract (en)
[origin: EP3681260A1] A component mounting machine used for effectively avoiding interference between a head main body and a station during exchange of a component holding tool attached to the head main body, the component mounting machine including: a head main body attached to a component mounting machine main body to be capable of being raised and lowered, and configured to detachably hold a component holding member configured to hold a component; a head moving mechanism configured to move the head main body with respect to the component mounting machine main body in a raising and lowering direction; a station attached to the component mounting machine main body to be capable of being raised and lowered, and configured to hold an exchange-use component holding member; a station moving mechanism configured to move the station with respect to the component mounting machine main body in the raising and lowering direction; and a control device configured to use the station moving mechanism to change a height position in the raising and lowering direction of the station during exchange of the component holding member to be attached to the head main body in accordance with a height position in the raising and lowering direction of the head main body.

IPC 8 full level
H05K 13/04 (2006.01)

CPC (source: EP US)
G06T 7/74 (2017.01 - US); **H05K 1/0266** (2013.01 - US); **H05K 13/0061** (2013.01 - US); **H05K 13/0408** (2013.01 - EP); **H05K 13/0409** (2018.08 - EP US); **H05K 13/0413** (2013.01 - US); **H05K 13/089** (2018.08 - US)

Citation (search report)
• [X1] WO 2017077645 A1 20170511 - FUJI MACHINE MFG [JP]
• [XA] JP 2013058510 A 20130328 - PANASONIC CORP
• [A] WO 2016129151 A1 20160818 - FUJI MACHINE MFG [JP]
• See also references of WO 2019049253A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3681260 A1 20200715; EP 3681260 A4 20200819; CN 111052891 A 20200421; CN 111052891 B 20211116; JP 6915067 B2 20210804; JP WO2019049253 A1 20200416; US 11284549 B2 20220322; US 2020275591 A1 20200827; WO 2019049253 A1 20190314

DOCDB simple family (application)
EP 17924672 A 20170907; CN 201780094655 A 20170907; JP 2017032222 W 20170907; JP 2019540194 A 20170907; US 201716643908 A 20170907